

## Ankitha Sai Venkata

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### EDUCATION

<b>University of Washington – Michael G. Foster School of Business</b>	<b>Seattle, WA</b>
Master of Science in Information Systems, GPA: 3.96/4.0 ( <b>Class Valedictorian</b> )	June 2022 – June 2023
<i>Relevant Coursework: Business Data Analysis, Machine Learning, Data Mining, Database Systems and Data Warehouse</i>	
<b>BITS Pilani University</b>	<b>Hyderabad, India</b>
Bachelor of Engineering in Electronics and Communication, <b>Graduated in the First division</b>	Aug 2017 – Aug 2021

### WORK HISTORY

<b>Fortuna Identity</b>	<b>Nashville, TN</b>
Data Analyst	July 2021 – Feb 2022
<i>Cybersecurity startup specializing in Identity and Access Management for healthcare institutions</i>	
<ul style="list-style-type: none"><li>Implemented <b>data mining</b> techniques in <b>Python</b> such as Frequent Pattern Growth Mining to improve the Intrusion Detection System (IDS) and reduced the number of false positives, saving 20 man hours per week</li><li>Worked <b>cross-functionally</b> with the business team and engineering team to conduct <b>market research</b> and designed dashboards for 3 types of stakeholders to visualize performance metrics</li><li>Simulated an <b>ETL data pipeline</b> using <b>R Shiny</b> and developed a GUI to display 10 proposed dashboards</li></ul>	
<b>Airmeet</b>	<b>Bangalore, India</b>
Business Analyst Intern	Jan 2021 – June 2021
<ul style="list-style-type: none"><li>Handled over 40 clients in the APAC and MEA regions, managing <b>client relations</b> and over \$350K of business</li><li>Harnessed the use of <b>CRM software</b>, <b>Tableau</b> visualizations and <b>Metabase</b> queries to analyze company data and made <b>data-driven decisions</b> on customer expansion, lining up \$100K in the pipeline for the next quarter</li></ul>	
<b>Fortuna Identity</b>	<b>Hyderabad, India</b>
Data Analyst Summer Intern	May 2020 – July 2020
<ul style="list-style-type: none"><li>Used <b>ELK Stack</b> to analyze network logs for <b>trends amongst data</b> packets that were raising false positive alerts</li><li>Implemented a contextual signature database in Python for the IDS based on the <b>metadata</b> of safe packets</li><li>Successfully filtered out false positive alerts bringing down the total alerts from 8.5 million to 50K per day</li></ul>	

### SKILLS

- Programming Languages:** SQL, Python (Pandas, Numpy, Matplotlib, Scikit-Learn), R (Dplyr, Ggplot2, Caret)
- Tools:** Tableau, PowerBI, MS Excel, MS Access, Metabase, ELK Stack, RethinkDB, Figma, LINUX, AWS
- Certifications:** [AWS Cloud Practitioner](#), [\(ISC\)<sup>2</sup> Certified in Cybersecurity \(CC\)](#), [Google Cybersecurity Certificate](#)
- Areas:** Data Analytics, Data Governance, Data Visualization, Machine Learning, Database Management, Statistical Analysis, Business Intelligence, Data Transformation, Data Modeling, Technical Report Writing, Information Security
- Languages:** English, Telugu, Hindi, French

### ACADEMIC PROJECTS

<b>Predictive Modeling on Airbnb Listing Prices</b>
<ul style="list-style-type: none"><li>Analyzed Airbnb listing data to predict the price of a new Airbnb listing based on factors such as location and amenities and performed <b>statistical analysis</b> to suggest property improvements to increase hosts' revenue</li><li>Implemented <b>machine learning</b> algorithms in R such as Multiple Linear Regression, random Forests, etc and achieved an RMSE value of 0.75 when predicting the price – <a href="#">Project Summary</a></li></ul>
<b>Database Design for an Airlines Company</b>
<ul style="list-style-type: none"><li>Designed an efficient and scalable <b>relational database</b> using <b>SQL queries</b> for an airline considering their business operations and the intricacies of air travel, with 15 different tables and over 50 fields – <a href="#">Project Summary</a></li></ul>
<b>Other Projects on Portfolio website:</b> <a href="https://ankitha-venkata.github.io/">https://ankitha-venkata.github.io/</a>

### VOLUNTEER EXPERIENCE & EXTRACURRICULARS

<b>Girl Up Amara, Head of Publicity</b>	<b>Aug 2020 – Aug 2021</b>
Led a team of 15 people in a United Nations initiative to raise awareness on issues through outreach campaigns	
<b>BITSMUN Hyderabad, Head of Professional Events</b>	<b>May 2019 – May 2021</b>
Spearheaded a new initiative to organize a large-scale event for an audience of over 500 people	